

## EDUCATION

### **Johns Hopkins University**

Ph.D. in Cognitive Science

2019 – present

M.A. in Cognitive Science

2018 – 2019

### **Truman State University,**

B.S. in Psychology and Cognitive Science, Minor in Statistical Methods. *Valedictorian*. 2013 - 2017

## RESEARCH EXPERIENCE:

**Graduate Researcher,** LANGUAGE ACQUISITION LAB, JOHNS HOPKINS UNIVERSITY 2018 – present

- First project: *Investigating auxiliary acquisition in wh-question production*
  - Methods: Computational linguistics employing a Variational Model of Language Acquisition and a tri-gram language model with modified Kneser-Ney smoothing.
  - Investigated children's acquisition of wh-questions using corpus data.
- Second project: *Distinguishing among in-situ wh-questions in English*
  - Methods: Theoretical syntax, experimental syntax and corpus analysis.
  - Proposed an account for linguistic phenomena at the syntax-discourse interface.
  - Paper under review. Poster accepted for the LSA conference.
- Third project: *The acquisition of wh-questions*
  - Methods: Behavioral experiments with children.
  - Investigated the relationship between syntactic variation and language acquisition.

**Lab Manager,** LANGUAGE ACQUISITION AND BRAIN LAB, UNIVERSITY OF DELAWARE 2017 – 2018

- Conducted research on language acquisition, statistical learning, brain organization of language development using behavioral and neuro-imaging techniques.
- Lead programmer for 4 computer-based experiments.
- Lead web developer for the lab's online platform for visual and auditory statistical learning.
- Managed the lab's database and workflow and supervised 3 undergraduate research assistants
- 1 paper currently under review. 6 posters accepted for conferences.

**Research Assistant,** EEG LAB, TRUMAN STATE UNIVERSITY

2016 – 2017

- Conducted research on human perceptual processes such as audio-visual integration and cortical activity using EEG.

**APA Summer Undergraduate Research Scholar,** TEXAS A&M UNIVERSITY

Summer 2016

- Conducted research on Cognition & Cognitive Neuroscience, using a combination of different methods including meta-analysis, neuroimaging (fMRI), brain stimulation (tDCS) to study the aging brain.

## **TEACHING/MENTORING EXPERIENCE:**

**Teaching Assistant**, DEPARTMENT OF COGNITIVE SCIENCE, JOHNS HOPKINS UNIVERSITY **2019 – present**

- Courses: Language and Advertising; Language and the Mind; Syntax

**Statistical Consultant**, CENTER FOR APPLIED STATISTICS & EVALUATION **2015 – 2017**

- Analyzed statistical data for several student projects, research projects, and faculty grants.
- Assisted clients in other aspects such as designing surveys and experiments, leading focus group, submitting IRB, writing statistical reports.
- Led a team of 3.

**Peer Mentor**, CENTER FOR ACADEMIC EXCELLENCE **2015 – 2017**

- Mentored first-year students and them design their coursework.

**Grader and Tutor**, STATISTICS DEPARTMENT, TRUMAN STATE UNIVERSITY **2015 – 2017**

**Academic Trainer**, STEP SCHOLARS PROGRAM **2016 – 2017**

- Tutored STEM subjects, including Computer Science, Mathematics, and Statistics.

## **AWARDS**

- Science of Learning Fellowship **2020 – 2021**
- Graduate student travel award **Spring 2020**
- President's List x 8 semesters **2013 - 2017**
- Dorothy Pearson Foundation Scholarship **2016**  
*Scholarship for outstanding students in Statistics.*
- Harold L. Hess and Ozella M. Hess Foundation Scholarship **2015**  
*Scholarship for outstanding students in overall academic performance.*
- President's Honorary Scholarship **2013**  
*Scholarship for outstanding incoming students.*

## **SKILLS:**

Programming Skills: Java, JavaScript, Python, MATLAB, R

Languages: Vietnamese (native), English (fluent), Chinese (conversational)

## **RELEVANT COURSEWORK**

*Computational Linguistics:* Computational Linguistics; Computational Psycholinguistics

*Linguistics:* Introduction to Linguistics; Syntax I; Semantics I; Logic;

*Cognitive Science:* Language Acquisition; Language and the Mind; Language and Thought;  
Human and Computer Cognition; Cognitive Science;

*Computer Science:* Introduction to Computer Science; Foundations of Computer Science II;  
Object-oriented programming and design; Foundations of Neural Networks

## **PUBLICATIONS**

### **PAPERS**

1. **Nguyen, A.**, & Legendre, G. (2020). Covert movement in English probing wh-questions. In *Proceedings of Linguistic Society of America 2020 Annual Meeting*. 5(1). 180-186.

#### MANUSCRIPTS UNDER REVIEW

1. **Nguyen, A.** & Legendre, G. *The syntax-information structure interface: a case of English wh-questions*.
2. Schneider, J., Arnon, I., **Nguyen, A.**, Mendez, K., & Qi, Z. *The relationship between statistical learning and prior language experience*.
3. Bernard J.A., **Nguyen A.**, Hausman H.K., Maldonado T., Ballard H.K., Eakin S.M., Lokshina Y., Goen J.R.M. *Shaky Scaffolding: Age Differences In Cerebellar Activation Revealed Through Activation Likelihood Estimation Meta-Analysis*.

#### CONFERENCE PRESENTATIONS

1. **Nguyen, A.**, Howe, W., & Legendre, G. (2020). English-speaking children's acquisition of wh-in-situ. Poster at *Generative Approaches to Language Acquisition North America 6*. Reykjavik, Iceland.
2. Weng, Y.L, **Nguyen, A.**, Ryskin,R., & Qi, Z. (2020). Prediction and sentence ambiguity resolution: A simultaneous eye-tracking and EEG study. Poster at *33rd Annual CUNY Human Sentence Processing Conference*, Amherst, MA.
3. Schneider, J., Arnon, I., **Nguyen, A.**, Medez, K., & Qi, Z. (2019). Does prior language experience hinder statistical learning? Poster presented at *Boston University Conference on Language Development*, Boston, MA.
4. Schneider, J., Weng, Y., Kozloff, V., **Nguyen, A.**, & Qi, Z. (2019). Neural sensitivity to speech distribution information underlie statistical learning. Poster presented at *Neurobiology of Language*, Helsinki, Finland.
5. Qi, Z., **Nguyen, A.**, Ozernov-Palchik, O., Beach, S., May, S., Arciuli, J., & Gabrieli, J.D.E. (2018). Statistical learning in reading development and reading impairment. Poster presented at *Boston University Conference on Language Development*, Boston, MA.
6. **Nguyen, A.**, Sanchez Araujo, Y., Georgan, W., Arciuli, J., & Qi, Z. (2018). Re-examine the reliability of statistical learning tasks across domains and modalities. Poster presented at *Psychonomic Society Annual Meeting*, New Orleans, LA.
7. Kozloff, V., **Nguyen, A.**, Arciuli, J., & Qi, Z. (2018). Statistical learning in a noisy environment is associated with vocabulary. Poster presented at *Boston University Conference on Language Development*, Boston, MA.
8. Mendez, K., **Nguyen, A.**, Kozloff, V., & Qi, Z. (2018). The role of native language in statistical learning success. Poster presented at *University of Delaware's ninth annual Undergraduate Research and Service Scholar Celebratory Symposium*, Newark, DE.

#### TALKS

1. **Nguyen, A.** & Kozloff, V. Statistical learning and language. Invited talk presented at the Experimental Group Meeting at the Department of Linguistics and Cognitive Science, University of Delaware, Newark, DE. December 2017.